

Radio Frequency Thermal Ground Plane (RFTGP) Program Summary

Raytheon
Integrated Defense Systems

- RFTGP leverages specialized expertise to develop:
 - Nanostructured Wicks: Purdue, GTRI, Illuminex
 - Nanoscale Coatings: University of Minnesota
 - CTE-matched Casings: Thermacore
 - Analysis/Characterization Methods: Purdue
 - Specs/Apps/Test: Raytheon
- RFTGP develops application-driven technology well suited for commercialization
 - Radar module substrate application
 - Defined insertion/technology transition plan
 - High impact, broad system applicability
 - Relevant to missiles, directed energy weapons, processors, and power supplies

